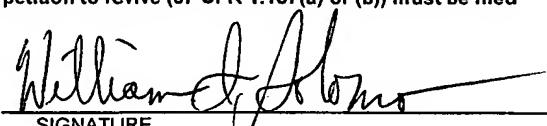


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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 1204.44657X00
INTERNATIONAL APPLICATION NO. PCT/JP2003/006860		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/521470
INTERNATIONAL FILING DATE 30 May 2003		PRIORITY DATE CLAIMED 30 May 2003
TITLE OF INVENTION MULTILAYER WIRING BOARD, MANUFACTURING METHOD THEREOF, SEMICONDUCTOR DEVICE, AND WIRELESS ELECTRONIC DEVICE		
APPLICANT(S) FOR DO/EO/US Yasushi SHIMADA et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Figs 1-13: Request for Examination and Search Form; Credit Card Payment</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/521470		INTERNATIONAL APPLICATION NO. PCT/JP2003/006860		ATTORNEY'S DOCKET NUMBER 1204.44657X00																	
<p>21. The following fees are submitted:</p> <table> <tr> <td><input checked="" type="checkbox"/> a) Basic national fee ..</td> <td>\$300.00</td> <td>Applicant use</td> <td>Office use only</td> </tr> <tr> <td><input checked="" type="checkbox"/> b) Examination fee ..</td> <td>\$200.00</td> <td>\$300.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> c) Search fee ..</td> <td>\$500.00</td> <td>\$200.00</td> <td></td> </tr> <tr> <td colspan="2">TOTAL OF ABOVE CALCULATIONS = \$1000.00</td> <td>\$500.00</td> <td></td> </tr> </table> <p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p>						<input checked="" type="checkbox"/> a) Basic national fee ..	\$300.00	Applicant use	Office use only	<input checked="" type="checkbox"/> b) Examination fee ..	\$200.00	\$300.00		<input checked="" type="checkbox"/> c) Search fee ..	\$500.00	\$200.00		TOTAL OF ABOVE CALCULATIONS = \$1000.00		\$500.00	
<input checked="" type="checkbox"/> a) Basic national fee ..	\$300.00	Applicant use	Office use only																		
<input checked="" type="checkbox"/> b) Examination fee ..	\$200.00	\$300.00																			
<input checked="" type="checkbox"/> c) Search fee ..	\$500.00	\$200.00																			
TOTAL OF ABOVE CALCULATIONS = \$1000.00		\$500.00																			
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																		
- 100 =	/50 =		x \$250.00	\$																	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$																	
Total claims	61 - 20 =	41	x \$50.00	\$ 2050.00																	
Independent claims	5 - 3 =	2	x \$200.00	\$ 400.00																	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$ 0.00																	
TOTAL OF ABOVE CALCULATIONS = \$ 2450.00																					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.																					
SUBTOTAL = \$ 3450.00																					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																					
TOTAL NATIONAL FEE = \$ 3450.00																					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																					
TOTAL FEES ENCLOSED = \$ 3490.00																					
<table> <tr> <td>Amount to be refunded:</td> <td rowspan="2" style="background-color: #cccccc;"></td> <td>\$</td> </tr> <tr> <td>Amount to be charged</td> <td>\$</td> </tr> </table>						Amount to be refunded:		\$	Amount to be charged	\$											
Amount to be refunded:		\$																			
Amount to be charged		\$																			
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>01-2135</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>																					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																					
<p>SEND ALL CORRESPONDENCE TO:</p> <p>Antonelli, Terry, Stout & Kraus, LLP Suite 1800 1300 North Seventeenth Street Arlington, Virginia 22209</p> <p>Customer No. 020457</p> <p> SIGNATURE William I. Solomon NAME 28,565 REGISTRATION NUMBER</p>																					

ATTACHMENT

International Application No.	International Filing Date	Attorney Docket No.
PCT/JP03/06860	03 May 2003	1204.44657X00

1. International Publication No. WO 2004-010751 A1-Cover Sheet
2. Information Concerning Elected Offices Notified of Their Election
3. Notification Concerning Submission or Transmittal of Priority Document
4. Notice Informing the Application of the Communication of the International Application to the Designated Offices
5. International Search Report
6. International Preliminary Examination Report

10/521 470

UT15 Rec'd PCT/PTO 18 JAN 2005

1204.44657X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Yasushi SHIMADA et al.

Application No.: (not yet assigned)

Filed: January 18, 2005

For: Multilayer Wiring Board, Manufacturing Method Thereof, Semiconductor Device, and Wireless Electronic Device

REQUEST FOR EXAMINATION AND SEARCH

January 18, 2005

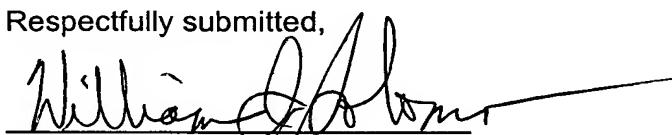
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants respectfully request that a search and examination be conducted in the above-identified application. The necessary search fee and examination fee are enclosed herewith.

Please charge any shortage in the fees due in connection with the filing of this paper, including excess claim fees, to Deposit Account No. 01-2135 (referencing case No. 1204.44657X00), and please credit any excess fees to such deposit account.

Respectfully submitted,


William I. Solomon
Registration No. 28,565
ANTONELLI, TERRY, STOUT & KRAUS, LLP

WIS/anp

1300 North Seventeenth Street
Suite 1800
Arlington, Va 22209
Telephone: (703) 312-6600
Fax: (703) 312-6666